

SYP™

KSA 

Microfiber Depth Filter
With Melt-Blown Technology

Synopex SYP™ Cartridge Filter, manufactured using Melt-Blown Technology, is a highly efficient, long life filter, and it has a final layer of more than 90% cut-off filtration with 5~100 μ m fibers formed by spinning process; having a graded pore structure with pre-filtering layer and Intermediate layer for gradually particle removal; and a self-supporting structure by integral thermal bonding. As these filter consists of all polypropylene media, it features resistance to chemical substances and heat, thus suitable for purification of medical drugs, ultra-pure chemicals, and other various applications.

Features

- Gradient Structure
- Micro-fiber of Melt-Blown Process
- Integral Thermal Bonding Media & Self-Supported Structure
- 100% Polypropylene Medium without Surfactant or Binder
- A Variety of Filtration ratings
- Weld-free Continuous Length up to 40 inch
- Precise & Consistent Removal Efficiency (More than 90%)
- Longer Service Life due to Large Pore Volume
- No solids unloading or media migration with Multi-layers
- Negligible level of extractable
- Wide chemical compatibility

Specifications

- Medium : 100% Polypropylene micro-fiber
- Dimensions
 Inner(mm) : Ø 27, Ø 30
 Outer(mm) : Ø 62, Ø 65
 Length : 250mm, 500mm, 750mm, 1000mm
 10"(254mm), 20"(508mm), 30"(762mm), 40"(1016mm)
- Removal Ratings (Nominal Grade)
 : 0.5 μ m, 1 μ m, 3 μ m, 5 μ m, 10 μ m, 25 μ m, 50 μ m, 75 μ m, 100 μ m, 150 μ m, 200 μ m

Operating Conditions

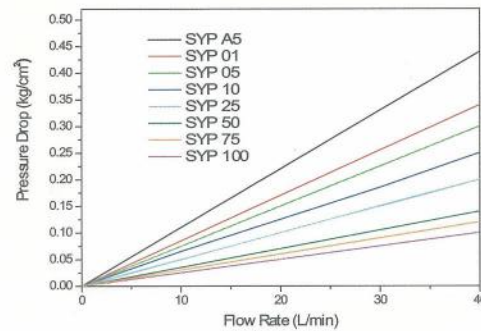
- Recommended Change Out Differential Pressure : 2.0kg/cm²
- Maximum Operating Temperature : 80°C (176°F)
- Maximum Differential Pressure / Temperature

Tempe °C	Maximum Differential Pressure	
	kg/cm ²	psid
25	4	60
50	3.5	50
70	2	30
80	1	15

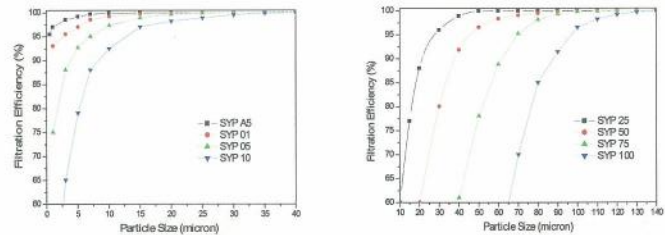
Application

- Pharmaceutical
 : Ultra-pure water system, Pre-R/O, etc.
- Photographic
 : Film Processing, Developer, Fixer, etc.
- Food & Beverage
 : Milk, Beer, Wine, Soft Drinks, Bottled Water, Edible Oil, etc.
- Chemical Processing
 : Bulk Chemical Filtration, Alkalies/Acids Filtration, etc.
- Oil & Gas
 : Petrochemical filtration, Waste water treatment, etc.
- Metal Finishing
 : Machine Coolants, Plating Solution, Stripping Solution, etc.
- Electronics
 : Pre-R/O, Chemical Pretreatment, Pre-filtration for High-tech Coating, etc.

Pressure Drop vs. Flow Rate



Removal Efficiency



* Nominal Grade

Ordering Information

SYP™ ①② - ③

①	CODE	C	Blank
		Core	Coreless

②	CODE	A5	01	03	05	10	25	50	75	100	150	200
	Rating	0.5 μ m	1 μ m	3 μ m	5 μ m	10 μ m	25 μ m	50 μ m	75 μ m	100 μ m	150 μ m	200 μ m

③	CODE	15	24	25	50	58	75	76	100	106
	Length	125mm	254mm	250mm	500mm	508mm	750mm	762mm	1000mm	1016mm